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CATALYST SUPPORTS

CERALNIT high alumina ceramic balls



CERALNIT balls

High alumina ceramic balls for supporting and protecting catalyst beds.

Product	CERALNIT (CBS 99)
Family	Catalyst supports
Available sizes	1/8" to 3"
Max. application temperature	1,650 °C

Operating data

Nominal size	Diameter (mm)	Crush strength (kN/particle)
1/8"	3-5	> 2
1/4"	6-8	> 4.6
3/8"	9-11	> 6
1/2"	11-14	> 8.7
3/4"	19-21	> 12
1"	23-28	> 16
1 1/2"	35-42	> 23
2"	50-55	> 34
3"	72-80	> 60

Chemical composition

Component	CERALNIT
Al_2O_3 + TiO_2	> 99.3 %
SiO_2	< 0.15 %
Fe_2O_3	< 0.05 %
CaO + MgO	< 0.1 %
Na_2O + K_2O	< 0.5 %

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Physical figures

Property	Unit	CERALNIT
Particle density	g/cm³	3.0-3.5
Bulk density (for average particle density)	kg/m³	approx. 1,800-2,200
Water absorption	weight-%	< 5
Thermal conductivity	kJ/m.h.°C	14.6
Thermal expansion	1/°C	6.7×10^{-6}
Max. application temperature	°C	1,650

Subject to technical modification. All data represent provisional information only. No claim based on these data will be entertained.